## INTERNATIONAL SEARCH REPORT

Intu al Application No PCT/ZA2004/000080

A. CLASSII IPC 7	FICATION OF SUBJECT MATTER F42D1/055									
According to	International Patent Classification (IPC) or to both national classification	ion and IPC								
B. FIELDS										
IPC 7	currentation searched (classification system followed by classification F 42D	n symbols)								
Documentat	ion searched other than minimum documentation to the extent that su	ch documents are included in the fields se	arched							
Electronic d	ata base consulted during the international search (name of data base	e and, where practical, search terms used)								
EPO-In	ternal, WPI Data									
C. DOCUMENTS CONSIDERED TO BE RELEVANT										
Category *	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim No.							
X	US 4 846 066 A (BEATTIE TIMOTHY A 11 July 1989 (1989-07-11) column 1, lines 49-61 column 2, lines 43-63 column 3, lines 11-45; figure 2	ET AL)	1-4,6, 12,14,17							
A	EP 0 301 848 A (EXPLOSIVES TECH E 1 February 1989 (1989-02-01) page 11, lines 38-60	TI)	8-11							
A	US 4 489 655 A (MOLNAR OTTO) 25 December 1984 (1984-12-25) column 2, lines 10-66; figure 1		1–17							
A	EP 0 251 824 A (GEN MINING UNION 7 January 1988 (1988-01-07) column 4, lines 1-31; figure 1	CORP)	1-7, 12-17							
Fun	ther documents are listed in the continuation of box C.	X Patent family members are listed	in annex.							
"A" docum consi "E" earlier filing "L" docum which citatic "O" docum other "P" docum later to Date of the	nent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or a sciled to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but	*T* later document published after the Interest or priority date and not in conflict with cited to understand the principle or the invention  *X* document of particular relevance; the cannot be considered novel or cannot involve an inventive step when the document of particular relevance; the cannot be considered to involve an indocument is combined with one or ments, such combination being obvion the art.  *&* document member of the same patent Date of mailing of the international sea	the application but early underlying the claimed invention to considered to coument is taken alone claimed invention the ore other such docu-us to a person skilled							
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016		Authorized officer Ziegler, H-J								

TENNOTE SERVICE SITE

formation on patent family members

Inta nal Application No
PCT/ZA2004/000080

Patent document clted in search report				101/2/2004/000000		
			Publication date	Patent family member(s)		Publication date
US	4846066	Α	11-07-1989	AU	595916 B2	12-04-1990
				AU	7675387 A	03-03-1988
				MW	6387 A1	11-05-1988
				ZA	8706004 A	27-04-1988
				ZW	15187 A1	22-03-1989
EP	0301848	Α	01-02-1989	AU	1925588 A	02-02-1989
				CA	1328914 C	26-04-1994
				EP	0301848 A2	01-02-1989
				FI	883547 A	01-02-1989
				JP	1107100 A	24-04-1989
			•	NO	883394 A	01-02-1989
				US	5014622 A	14-05-1991
				ZA	8805267 A	27-06-1990
US	4489655	Α	25-12-1984	NONE		
EP	0251824	Α	07-01-1988	AT	58013 T	15-11-1990
				AU	596850 B2	17-05-1990
				AU	7520287 A	07-01-1988
				BR	8703397 A	22-03-1988
				DE	3765860 D1	06-12-1990
				EP	0251824 A1	07-01-1988
				US	4796531 A	10-01-1989
				ZA	8704755 A	24-02-1988
				ZW	12287 A1	30-09-1987